

AMENDMENT TO THE CLAIMS

1 1.(currently amended (twice)) A method of updating
2 radio network data in a plurality of devices deployed
3 within a Base Station (BS), the BS being located in a
4 radio telecommunications network, said method comprising
5 the steps of:
6 interfacing the BS with a Mobile Switching Center
7 (MSC) through an Internet Protocol (IP) packet data
8 network;
9 assigning the BS an IP address valid on the IP
10 packet data network;
11 sending device update data from the MSC to the BS
12 in an IP message over the IP packet data network;
13 receiving the IP message at the BS from the MSC;
14 and
15 updating at least one of the plurality of devices
16 by the BS using the device update data from the IP
17 message.

1 2.(original) The method of updating radio network
2 data of claim 1 wherein the step of sending device
3 update data from the MSC to the BS in an IP message
4 includes sending the device update data in an IP
5 multicast message, and the method further comprises,
6 prior to assigning the BS an IP address, the step of
7 joining the BS in a multicast group.

1 3.(original) The method of updating radio network
2 data of claim 2 wherein the step of sending device
3 update data from the MSC to the BS in an IP message
4 includes sending the device data to a multicast group
5 address that comprises a multicast group designation, a
6 device data type for the device update data, and a Base
7 Station Identification (BSID).

1 4. - 5.(cancelled)

1 6.(original) The method of updating radio network
2 data of claim 2 wherein the step of joining the BS in a
3 multicast group includes the step of joining the BS in a
4 plurality of multicast groups, each of said multicast
5 groups receiving a different type of device update data.

1 7.(original) The method of updating radio network
2 data of claim 6 wherein the step of joining the BS in a
3 plurality of multicast groups includes the steps of:

4 joining the BS in a first multicast group that
5 receives device update data for Digital Control Channels
6 (DCCHs); and

7 joining the BS in a second multicast group that
8 receives device update data for Digital Traffic Channels
9 (DTCs).

1 8.(previously amended) The method of updating
2 radio network data of claim 1 further comprising, before
3 the step of updating at least one of the plurality of
4 devices by the BS, the step of determining whether the
5 devices are to be updated immediately or at a specified
6 time.

1 9.(previously amended) The method of updating
2 radio network data of claim 1 wherein the step of
3 updating at least one of the plurality of devices by the
4 BS includes the steps of:

5 identifying which ones of the plurality of devices
6 in the BS the device update is directed to; and
7 updating the identified plurality of devices.

1 10. (canceled)

1 11.(currently amended) The method of updating
2 radio network data of claim 1 ~~claim 10~~ further
3 comprising the step of assigning the BS to monitor a
4 User Datagram Protocol (UDP) port for device update
5 data.

1 12. - 13.(cancelled)

1 14.(currently amended (twice)) The method of
2 updating radio network data of claim 1 wherein the step
3 of assigning the BS an IP address further comprises
4 assigning each of the devices deployed within the BS an
5 IP address and wherein the step of sending device
6 update data {15} from the MSC {12} to the BS {21} in an
7 IP message further includes sending the device update
8 data {15} in the IP message to each of the plurality of
9 devices over the IP packet data network.

1 15. - 16.(cancelled)

1 17. - 20.(previously canceled)

1 21.(currently amended(twice)) An Internet Protocol
2 (IP) Base Station (BS) in a radio telecommunications
3 network, said BS comprising:
4 a plurality of radio network devices deployed
5 therewithin;
6 a signaling mechanism for receiving IP messages
7 containing device update data from a Mobile Switching
8 Center (MSC) through an IP packet data network; and
9 means within the BS for updating at least one of
10 the plurality of devices with the device update data.

1 22.(original) The IP Base Station of claim 21
2 wherein the signaling mechanism receives IP multicast
3 messages that contain device update data.

1 23.(original) The IP Base Station of claim 21
2 wherein the signaling mechanism includes at least one
3 User Datagram Protocol (UDP) port for monitoring IP
4 broadcast messages containing device update data.

1 24. - 26.(cancelled)